Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Thursday 03 Aug 2023 until 23:59 on Friday 04 Aug 2023

Forecast Issued on Thursday 03 Aug 2023 at 01:17

Confidence: High for the overall unsettled theme continuing, but lower for detail around duration and intensity showers. Moderate confidence for windy and wet conditions on Saturday, but some uncertainty regarding timings.

Headline for Thursday 03 Aug 2023: Dry with sunny spells through the morning, giving way to increasing cloud and showers through the day, heavy and possibly thundery at times.

Mountain weather hazards on Thursday 03 Aug 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
No Likelihood

Poor visibility
Low Likelihood

Thunderstorms
Low Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
Medium Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sunny intervals	Sunny intervals	Sunny intervals	Heavy rain showers	Heavy rain showers	Heavy rain showers (night)
Precipitation probability					
<05%	10%	30%	40%	60%	40%

Forecast for Thursday 03 Aug 2023

Weather: A dry start, with sunny spells. Cloud increases from mid-morning, although the odd sunny spell still possible at times. Occasional showers breaking out from around midday onwards, with heavy, and perhaps thundery showers occurring later in the afternoon. Showers may persist into the evening.

Chance of cloud-free hill tops above 600m: 80-90%.

Low cloud and visibility: Cloud generally above the summits, but patches down to 500-600m in association with heavy showers. Visibility generally very good, falling to poor in showers.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Thursday 03 Aug 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/19 N	14/19 NW	13/18 NW	13/19 NW	14/20 NW	11/16 W	9/12 W
300	8/12 NW	10/15 NW	12/18 NW	13/19 NW	13/21 NW	10/17 NW	8/14 W
Valley	4/13 NW	8/16 NW	9/18 NW	10/19 NW	10/20 NW	7/14 NW	5/11 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/7	12/9	13/11	14/11	13/10	11/9	11/9
300	11/10	14/12	16/14	16/14	15/13	14/12	13/11
Valley	12/11	15/14	17/15	17/16	16/14	14/13	13/13
Freezing Level*	2200m	2100m	2200m	2400m	2500m	2500m	2400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Fine walking conditions likely through the morning. Showers later in the day likely to become heavy at times, with hail, lightning and blustery winds a risk, making walking conditions much more difficult.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Thu 03 Aug 2023	17.4mm	28.2mm	35.4mm

Forecast for Friday 04 Aug 2023

Weather: Low cloud and patchy rain at first on Friday, with cloud gradually lifting through the morning. The patchy rain will turn more showery during the day, with some heavier bursts and possible thunder during the afternoon. Showers dying away in the evening, allowing sunny spells to develop.

Maximum wind: Northwesterly 15-20 mph.

Chance of cloud-free hill tops above 600m: 30% early on, rising to 90% by late afternoon.

Low cloud and visibility: Extensive low cloud through the early morning, with bases around 500m seeing higher slopes in fog. Cloud lifting through the morning, perhaps with one or two breaks giving the odd sunny spell through the day. Visibility generally poor at first, improving to very good through the day, but likely dropping briefly at times to a few Km in heavier showers.

Temperature: **Valleys:** Plus 13 Celsius, rising to Plus 19 Celsius.
At 600m: Plus 10 Celsius, rising to Plus 13 Celsius.
Freezing level: Above summits.

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